

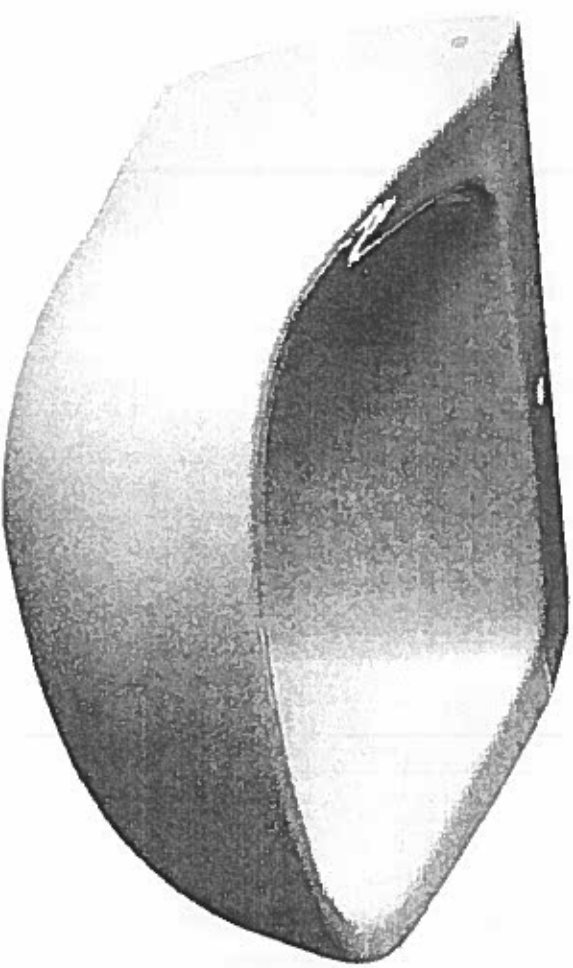
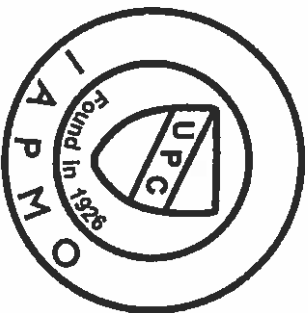
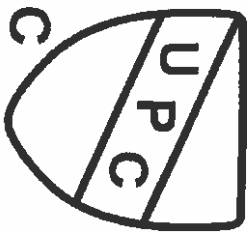
US ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT					9. Facility Name (Producer/Dealer/User)	
EPA INVESTIGATION SUMMARY					Zum Industries, LLC	
1. INVESTIGATION INFORMATION			2. Region/State		10. Street	
Date 040116	Inspection Number 10568	Daily Sequence 01	04/NC		5900 Elwin Buchanan Drive	
3. Inspecting Org. E <input type="checkbox"/> S <input checked="" type="checkbox"/>		4. Facility Function MK		5. Investigation Type MKP		
6. Reason for Investigation FC		7. Referral Agency E04		8. Warrant Required YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
11. City Sanford						
SAMPLE INFORMATION					12. State	
17. Sequence Number 19		18. State Sample No. ...		NC		
19. Product Code 4		20. EPA Registration Number ...		13. Zip Code 27330-8541		
21. Project Code D-14		22. Sample Medium LBL		14. Establishment Number ...		
23. Date Collected 040116		24. Sample Type DOC		15. DUNS Number ...		
25. Date Shipped PEI		16. SIC Codes ...				
26. Lot or Other Code Numbers 08.5461.A						
27. Sample Identification Label and Shipping Invoices of "Z5461-AM 28" X 22" Surgeon Sink Single Hole With Antimicrobial Coating White xxx Zum xxx 08.5461.A.						
28. Amount Before Sampling ...						
29. Description of Sample Sample consists of label and shipping documents only						
30. Sample Preparation Labels and shipping documents identified "SN 040116105680119 EBN"						
31. Related Samples SN 040116105680101 EBN - SN 040116105680118 EBN, SN 040116105680120 EBN - SN 040116105680121 EBN						
32. Reason for Collection Alleged Unregistered Pesticide Device						
OTHER FACILITIES						
33. Producer (Dist.) Zum Industries, LLC		34. Establishment Number		35. DUNS Number		
36. Street 2117 US Hwy 20 East		37. City Ablene		38. State TX		
40. Shipper Zum Industries, LLC		41. City Ablene		39. Zip Code 79601		
44. Dealer Zum Industries, LLC		45. City Ablene		42. State TX		
				43. Zip Code 79601		
				46. State TX		
				47. Zip Code 79601		
RECORDS						
48. Original Records NCDA&CS		49. Region Copy 04		50. Sample Copy NCDA&CS		
51. Sample Delivered To Karen Hunt via USPS		52. Date 041216		53. Bill of Lading Number ...		
54. Credentials Presented <input checked="" type="checkbox"/>	55. Notice of Inspection <input checked="" type="checkbox"/>	56. Receipt for Samples <input checked="" type="checkbox"/>	57. Sample Cost \$0.00 C <input type="checkbox"/> V <input type="checkbox"/> B <input type="checkbox"/>		58. Collection Station Raleigh, NC	
59. Remarks Attachments: Notice of Inspection, Receipt for Samples, Narrative, Product Labels & Labeling, Statement, Shipping Invoices & Product Data Sheet						
60. Inspector's Name Edward B. Nunn			61. Inspector's Signature <i>Edward B. Nunn</i>			

SN 040116105680119

Z5461-AM

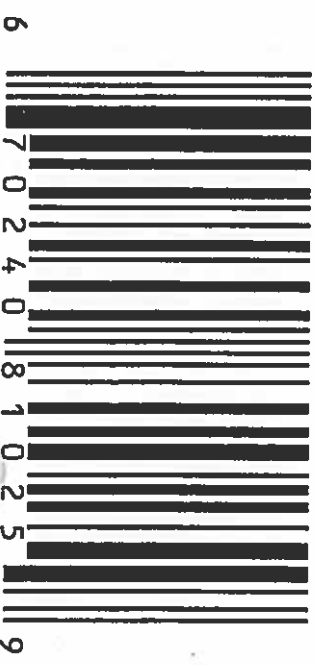


28" X 22" SURGEON SINK SINGLE HOLE With Antimicrobial Coating WHITE



"COMPLIES WITH ASME A112.19.2"
WEIGHT **79** Lbs.

08.5461.A



Packing Slip PK01750819

Page...: 1 of 1

Order Number	Sales Office	Customer Number	Customer Order Number	Date Entered	Freight Terms
11701675	312	55670	07675605	04/13/2015	NFA Carrier Bills 3rd Party
USA Classification			Packed Date	Shipped Via and Account	
None			05/21/2015	FedEx FREIGHT	Collect

Sold To
 Pacific Plumbing Supply (Commercial)
 7115 West Marginal Way SW
 Seattle, WA 98106
 United States



PHONE: 855-663-9876

Packing Slip ID



PK01750819

Ship To
 Pacific Plumbing Supply (Commercial)
 7115 West Marginal Way SW
 Seattle, WA 98106
 US

Sales ID



11701675

Packing Slip

NOTICE: Please check order carefully. No claims for shortages after 10 working days.

Subject:

Customer Reference:

Line Item	Quantity Ordered	Unit	Qty Ship	Qty Remain	Product ID	Product Description	Weight
1	1	EA	1	0	Z5461-AM	Surgeons Sink, Single Hole, 28x22, w/ Antimicrobial Glaze	0.00
Quantity : 1.00 Warehouse : 206-SC							
6	1	EA	1	0	Z8804-XL-LRLK-PC	-XL LAVATORY SUPPLY STOP, 1/2 X 3/8 NPT LEAD FREE	0.00
Quantity : 1.00 Warehouse : 206-SC							

Shipping Information

Cartons	Skids	Coils	Bundles	Gross Weight	Tracking Number	Bill of lading Number
2	1	0	0	120.00	2659414424	Q76338

Notes:

Please ship Z5461-AM FedEx Freight Collect
 Please ship Z85700-XL and Z8804-XL-LRLK-PC UPS collect on acct#941309

"SN 040116105680119 EBN"

PT- _____ PS- _____

USA Classification: None

Packer: _____

Shipper: _____

Packing Slip PK01771317

Page...: 1 of 1

Order Number	Sales Office	Customer Number	Customer Order Number	Date Entered	Freight Terms
11756480	357	71664	VC 034-15-01	05/07/2015	FFA Shipper Paid Freight (PP)
USA Classification			Packed Date	Shipped Via and Account	
None			06/04/2015	Southeastern Freight	

Sold To
 Vantor Corp
 Campo Rico
 K.M. 1.2
 Castellana Gardens
 Carolina, PR 00983
 US



PHONE: 855-663-9876

Packing Slip ID



PK01771317

Ship To
 Vantor Corp
 Campo Rico
 K.M. 1.2
 Castellana Gardens
 Carolina, PR 00983
 US
Subject:

Packing Slip

NOTICE: Please check order carefully. No claims for shortages after 10 working days.

Sales ID



11756480

Customer Reference:

Line Item	Quantity Ordered	Unit	Qty Ship	Qty Remain	Product ID	Product Description	Weight
10	4	EA	4	0	Z5461-AM	Surgeons Sink, Single Hole, 28x22, w/ Antimicrobial Glaze	0.00

Quantity : 4.00 Warehouse : 206-SC

Shipping Information

Cartons	Skids	Coils	Bundles	Gross Weight	Tracking Number	Bill of lading Number
0	1	0	0	376.00	737253703	6382643

Notes:

"SN 040116105680119 EBN"

PT- _____ PS- _____

USA Classification: None

Packer: _____

Shipper: _____

Order Number	Sales Office	Customer Number	Customer Order Number	Date Entered	Freight Terms
2042913	647	69747	P001148154	09/15/2015	FFA Shipper Paid Freight (PP)
USA Classification			Packed Date	Shipped Via and Account	
None			09/22/2015	YRC National Transportation	

Sold To
Todd Pipe & Supply, Inc. LLC-Hawthorne
Attn: Accounts Payable
1005 Edward Court
Anaheim, CA 92806
United States



PHONE: 855-663-9876



Ship To
Todd Pipe & Supply, Inc. LLC-Hawthorne
4828 W. 145th Street
Hawthorne, CA 90251
United States



Packing Slip

NOTICE: Please check order carefully. No claims for shortages after 10 working days.

Subject: MURRAY PO N14249-0081 / 647-361-1

Customer Reference:

Line Item	Quantity Ordered	Unit	Qty Ship	Qty Remain	Product ID	Product Description	Weight
37	1	EA	1	0	Z5461-AM	Surgeons Sink, Single Hole, 28x22, w/ Antimicrobial Glaze	0.00

Quantity : 1.00 Warehouse : 206-SC

Shipping Information

Cartons	Skids	Coils	Bundles	Gross Weight	Tracking Number	Bill of lading Number
0	1	0	0	120.00	352619257X	6805277

Notes:

"SN 040116105680119 EBN"

Packer: _____ PS- _____

USA Classification: None

Packer: _____

Shipper: _____

Order Number	Sales Office	Customer Number	Customer Order Number	Date Entered	Freight Terms
12064300	648	69340	P1447752	09/24/2015	NFA Prepay and Add (PC)
USA Classification			Packed Date	Shipped Via and Account	
None			09/25/2015	YRC National Transportation	

Sold To
Express Pipe & Supply Co, LLC-Santee
2425 W Commonwealth Ave
Fullerton, CA 92833
US



PHONE: 855-663-9876

Packing Slip ID



PK01946287

Ship To
Express Pipe & Supply Co, LLC-Santee
9489 Mission Park Place
Santee, CA 92071
United States

Sales ID



12064300

Packing Slip

NOTICE: Please check order carefully. No claims for shortages after 10 working days.

Subject:

Customer Reference:

Line Item	Quantity Ordered	Unit	Qty Ship	Qty Remain	Product ID	Product Description	Weight
1	1	EA	1	0	Z5461-AM	Surgeons Sink, Single Hole, 28x22, w/ Antimicrobial Glaze	0.00

Quantity : 1.00 Warehouse : 206-SC

Shipping Information

Cartons	Skids	Coils	Bundles	Gross Weight	Tracking Number	Bill of lading Number
0	1	0	0	118.00	3526192836	6826447

Notes:

"SN 040116105680119 EBN"

PT- _____ PS- _____

USA Classification: None

Packer: _____

Shipper: _____

Packing Slip PK01974935

Page...: 1 of 1

Order Number	Sales Office	Customer Number	Customer Order Number	Date Entered	Freight Terms
12104066	360	05782	025605A	10/14/2015	NFA Prepay and Add (PC)
USA Classification			Packed Date	Shipped Via and Account	
None			10/15/2015	FedEx FREIGHT	

Sold To
B T Plumbing Supply-Finksburg
2920 Dede Road, Suite E
Finksburg, MD 21048
United States



PHONE: 855-663-9876

Packing Slip ID



PK01974935

Ship To
B T Plumbing Supply-Finksburg
2920 Dede Road, Suite E
Finksburg, MD 21048
United States

Sales ID



12104066

Packing Slip

NOTICE: Please check order carefully. No claims for shortages after 10 working days.

Subject:

Customer Reference:

Line Item	Quantity Ordered	Unit	Qty Ship	Qty Remain	Product ID	Product Description	Weight
1	2	EA	2	0	Z5461-AM	Surgeons Sink, Single Hole, 28x22, w/ Antimicrobial Glaze	0.00

Quantity : 2.00 Warehouse : 206-SC

Shipping Information

Cartons	Skids	Coils	Bundles	Gross Weight	Tracking Number	Bill of lading Number
0	1	0	0	208.00	2273972750	6899797

Notes:

"SN 040116105680119 EBN"

PT- _____ PS- _____

USA Classification: None

Packer: _____

Shipper: _____

Order Number	Sales Office	Customer Number	Customer Order Number	Date Entered	Freight Terms
12259088	648	69340	P1455783	01/06/2016	Other - Customer Pick Up
USA Classification			Packed Date	Shipped Via and Account	
None			01/20/2016	Customer Pickup	

Sold To
Express Pipe & Supply Co, LLC-Santee
2425 W Commonwealth Ave
Fullerton, CA 92833
US



PHONE: 855-663-9876

Packing Slip ID



PK02101935

Ship To
Express Pipe & Supply Co, LLC-Santee
9489 Mission Park Place
Santee, CA 92071
United States

Sales ID



12259088

Packing Slip

NOTICE: Please check order carefully. No claims for shortages after 10 working days.

Subject:

Customer Reference:

Line Item	Quantity Ordered	Unit	Qty Ship	Qty Remain	Product ID	Product Description	Weight
1	1	EA	1	0	Z5461-AM	Surgeons Sink, Single Hole, 28x22, w/ Antimicrobial Glaze	0.00

Quantity : 1.00 Warehouse : 648-SC

Shipping Information

Cartons	Skids	Coils	Bundles	Gross Weight	Tracking Number	Bill of lading Number
0	0	0	0	0.00	CANNOT READ	

Notes:

"5N 040116105680119 EBN"

PT- _____ PS- _____

USA Classification: None

Packer: _____

Shipper: _____

Packing Slip PK02166916

Page...: 1 of 1

Order Number	Sales Office	Customer Number	Customer Order Number	Date Entered	Freight Terms
12385110	647	69747	P001166145	03/08/2016	NFA Prepay and Add (PC)
USA Classification			Packed Date	Shipped Via and Account	
None			03/09/2016	FedEx FREIGHT	

Sold To
 Todd Pipe & Supply, Inc. LLC-Hawthorne
 Attn: Accounts Payable
 1005 Edward Court
 Anaheim, CA 92806
 United States



PHONE: 855-663-9876

Packing Slip ID



PK02166916

Ship To
 Todd Pipe & Supply, Inc. LLC-Hawthorne
 4828 W. 145th Street
 Hawthorne, CA 90251
 United States

Sales ID



12385110

Packing Slip

NOTICE: Please check order carefully. No claims for shortages after 10 working days.

Subject: MURRAY COMPANY

Customer Reference:

Line Item	Quantity Ordered	Unit	Qty Ship	Qty Remain	Product ID	Product Description	Weight
1	1	EA	1	0	Z5461-AM	Surgeons Sink, Single Hole, 28x22, w/ Antimicrobial Glaze	0.00

Quantity : 1.00 Warehouse : 206-SC

Shipping Information

Cartons	Skids	Coils	Bundles	Gross Weight	Tracking Number	Bill of lading Number
0	1	0	0	115.00	3634431931	7472942

Notes:

"SN 040116105680119 EBN"

PS-

USA Classification: None

Packer: _____

Shipper: _____

US ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT EPA INVESTIGATION SUMMARY						9. Facility Name (Producer/Dealer/User) Zum Industries, LLC			
1. INVESTIGATION INFORMATION					2. Region/State		10. Street 5900 Elwin Buchanan Drive		
Date 040116		Inspection Number 10568		Daily Sequence 01		04/NC			
3. Inspecting Org. E <input type="checkbox"/> S <input checked="" type="checkbox"/>		4. Facility Function MK		5. Investigation Type MKP					
6. Reason for Investigation FC				7. Referral Agency E04		8. Warrant Required YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			
					11. City		Sanford		
SAMPLE INFORMATION									
17. Sequence Number 20				18. State Sample No. ...		12. State NC		13. Zip Code 27330-9541	
19. Product Code 1		20. EPA Registration Number 83587-3				14. Establishment Number ...		15. DUNS Number ...	
21. Project Code D-12		22. Sample Medium LBL		23. Date Collected 040116		24. Sample Type DOC		16. SIC Codes ...	
25. Date Shipped PEI									
26. Lot or Other Code Numbers ...									
27. Sample Identification EPA Certified Label for "Additive SSB xxx Active Ingredient: Silver...99.9% xxx Additive SSB is an antimicrobial additive that inhibits the growth of stain and odor causing bacteria, mold, and mildew on the product on which it is applied. It is for use in the manufacture of commercial and consumer products to impart antimicrobial properties xxx This product is a pesticidal additive that protects treated intermediate manufacturing / Industrial products and treated manufacturing / Industrial products from the growth of mold and mildew xxx EPA Registration. No. 83587-3 xxx EPA Establishment No. 83587-PA-001 xxx Manufactured for NanoHorizons, Inc. 270 Rolling Ridge Dr. Suite 100 Bellefonte, PA 16823"; Product Data Sheet for "SmartSilver WC-10 Product #NP10-10-WC xxx SmartSilver WC-10 is an aqueous solution containing polymer stabilized pure metallic silver nanoparticles intended for use as an antimicrobial agent for preservation of materials from odor and stain-causing bacteria, mold and mildew xxx SmartSilver Treated Intermediates incorporate the EPA registered pesticide Additive SSB, EPA Reg. No. 83587-3, and are subject to the conditions of the Additive SSB label xxx NanoHorizons, Inc. 270 Rolling Ridge Drive, Suite 100 Bellefonte, PA 16823 USA info@nanohorizons.com 814-355-4700 xxx 866-584-8235 xxx Fax 814-355-4722 xxx www.SmartSilver.com".									
28. Amount Before Sampling ...									
29. Description of Sample Sample consists of copy of EPA Accepted Label and Product Data Sheet Only.									
30. Sample Preparation Additive Label and Product Data Sheet identified "SN 040116105680120 EBN"									
31. Related Samples SN 040116105680101 EBN - SN 040116105680119 EBN, SN 040116105680121 EBN									
32. Reason for Collection Alleged Unregistered Pesticide Devices Treated With Additive									
OTHER FACILITIES									
33. Producer (Dist.) Zum Industries, LLC				34. Establishment Number			35. DUNS Number		
36. Street 2117 US Hwy 20 East				37. City Ablene			38. State TX	39. Zip Code 79601	
40. Shipper Zum Industries, LLC				41. City Ablene			42. State TX	43. Zip Code 79601	
44. Dealer Zum Industries, LLC				45. City Ablene			46. State TX	47. Zip Code 79601	
RECORDS									
48. Original Records NCDA&CS				49. Region Copy 04			50. Sample Copy NCDA&CS		
51. Sample Delivered To Karen Hunt via USPS				52. Date 041216			53. Bill of Lading Number ...		
54. Credentials Presented <input checked="" type="checkbox"/>		55. Notice of Inspection <input checked="" type="checkbox"/>		56. Receipt for Samples <input checked="" type="checkbox"/>		57. Sample Cost \$0.00 C <input type="checkbox"/> V <input type="checkbox"/> B <input type="checkbox"/>		58. Collection Station Raleigh, NC	
59. Remarks Attachments: Notice of Inspection, Receipt for Samples, Narrative, Product Labels & Labeling, Statement, Shipping Invoices & Product Data Sheet									
60. Inspector's Name Edward B. Nunn						61. Inspector's Signature <i>Edward B. Nunn</i>			



11 SN 040116105680120 EBN "

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 8, 2015

Michael Novak
Registration Counsel/Agent for
NanoHorizons, Inc.
270 Rolling Ridge Drive, Suite 100
Bellefonte, PA 16823

Subject: Label Amendment – Adding directions for use on intermediate treated articles
Product Name: Additive SSB
EPA Registration Number: 83587-3
Application Date: March 20, 2015
Decision Number: 502754

Dear Mr. Novak:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

 4/1/16

Page 2 of 2
EPA Reg. No. 83587-3
Decision No. 502754

with FIFRA section 6. If you have any questions, please contact Seiichi Murasaki
at murasaki.seiichi@epa.gov.

Sincerely,



Julie Chao, Product Manager 33
Regulatory Management Branch 1
Antimicrobials Division (7510P)
Office of Pesticide Programs

Additive SSB

Additive SSB is an antimicrobial additive that inhibits the growth of stain and odor causing bacteria, mold, and mildew on the product on which it is applied. It is for use in the manufacture of commercial and consumer products to impart antimicrobial properties.

<u>INGREDIENTS</u>	
Active Ingredient:	
Silver	99.9%
Other Ingredients:	0.1%
TOTAL:	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. May cause eye irritation. Prolonged skin contact may cause skin irritation and/or dermatitis. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Handler Personal Protective Equipment (PPE)

Handlers must wear a long-sleeve shirt, long pants, shoes, socks, and chemical-resistant gloves.

User Safety Requirements

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

Adequate ventilation should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dusts, heating, drying, etc.

User Safety Recommendations

Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

FIRST AID:

If Swallowed: Call a poison control center or doctor immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

If in Eyes: Hold eye open and rinse slowly with water for 15-20 minutes. Remove contact lenses, if applicable, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

ACCEPTED

9/8/2015

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. **83587-3**

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water and Board or Regional Office of U.S. EPA.

Follow DIRECTIONS FOR USE On Back Panel

Manufactured for:
NanoHorizons, Inc.
270 Rolling Ridge Dr.
Suite 100
Bellefonte, PA 16823

EPA Registration No. 83587-3
EPA Establishment No. 83587-PA-001

DIRECTION FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Additive SSB is for use in the manufacture of the products listed below to impart antimicrobial properties. Additive SSB inhibits the growth of stain and odor causing bacteria, mold, and mildew on the product to which it is applied. Products containing Additive SSB may not make claims of antimicrobial activity other than protection of the article itself against growth of bacteria, mold, and mildew.

This product is not approved for any food contact or food packaging uses.

TYPES OF PRODUCTS - Additive SSB may be incorporated into the following types of products:

(A) FINISHED PRODUCTS

MAXIMUM CONCENTRATION: Additive SSB may be incorporated into the types of consumer finished products listed below at maximum concentration of no more than one (1) percent on a weight basis of the finished products.

1) Ceramics, ceramic glazes, porcelain enamels, and other glasses.

Specific materials: vitreous china, ceramics, glazes, earthenware, stoneware, dental glasses, borosilicate glasses, lead glasses, soda lime glasses, special glasses, porcelains, porcelain enamels, clays, concretes, and grouts.

Applications: Do not use for any applications involving food contact, food packaging, or storage of human drinking water. Applications include toilets, sinks, urinals, bidets, lavatories, bathtubs, tile, flooring, windows, shower doors, shower walls, shower trays, bath and kitchen accessories, countertops, handles, and knobs.

2) Plastics and plastic composite materials.

Specific materials: Resins including alkyds, amino resins (including melamine formaldehyde and urea formaldehyde), polyester (including PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polyols (including ether, ester, caprolactone, and butadiene), polyurea, polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinyl

acetate (PVA), ethylene vinyl acetate (EVA), polyethylene copolymer, polyvinyl chloride (PVC), epoxies, phenolics, styrenics (including PS, ASA, and ABS) polycarbonate, cellulose acetate, polyurethane, acrylic, acrylates (including polymethyl methacrylate, acetals, polyketones, polyphenylene, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymer, fluoropolymers, thermoplastic elastomer, rubber (including styrene, butadiene, common acrylonitrile rubber, CR), polyacetal (polyoxymethylene), and blends and copolymers thereof.

Applications: Do not use for any applications involving food contact, food packaging, or storage of human drinking water. Applications include toilet seats, toilets, sinks, urinals, bidets, lavatories, bathtubs, spas, tile, flooring, shower doors, shower walls, shower trays, bath and kitchen accessories, plumbing supplies and fixtures, countertops, handles, knobs, automobile parts, shower curtains, mats, protective covers, waste containers, general purpose containers, shower heads, mops, brooms, tapes, packaging, gaskets, pipes, tubing, pipe fittings, whirlpool tub and spa components, structural reinforcement composites (e.g., fiber reinforced resin backings), furniture, HVAC parts and equipment, window blinds, tools, keyboards, personal grooming equipment, footwear including boots, sports equipment, telephones, and computer equipment.

3) Coatings

Types of coatings: All application methods including water borne, nonaqueous solvent borne, 100% solids, physical vapor deposition, radiation cure, liquid, slurry, and powder coatings.

Specific materials: Resins including alkyds, amino resins (including melamine formaldehyde and urea formaldehyde), polyester (including PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polyols (including ether, ester, caprolactone, and butadiene), polyurea, polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinyl acetate (PVA), ethylene vinyl acetate (EVA), glycols (including DEG, EG, PG, DPG, and BDO), betaines, thiols, polyethylene copolymer, polyvinyl chloride (PVC), polyaspartics, epoxies, phenolics, styrenics (including PS, ASA, and ABS), polycarbonate, polypeptides, cellulose acetate, polyurethane, acrylic, acrylates (including polymethyl methacrylate, acetals, polyketones, polyphenylene, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymer, and fluoropolymers, amino resins, thermoplastic elastomer, rubber (including styrene, butadiene, common acrylonitrile rubber, CR), polyacetal (polyoxymethylene), and blends and copolymers thereof.

Applications: Do not use for any applications involving food contact, food packaging, or storage of human drinking water. Applications include toilet seats, toilets, sinks, urinals, bidets, lavatories, bathtubs, spas, tile, flooring, shower doors, shower walls, shower trays, bath and kitchen accessories, plumbing supplies and fixtures, countertops, handles, knobs, automobile parts, shower curtains, mats, protective covers, waste containers, general purpose containers, shower heads, mops, brooms, tapes, packaging, gaskets, pipes, tubing, tube fittings, whirlpool tub and spa components, structural reinforcement composites (e.g., fiber reinforced resin backings), furniture, HVAC parts and equipment, window blinds, tools, keyboards, personal grooming equipment, footwear including boots, sports equipment, telephones, and computer equipment.

4) Fibers

Specific materials: Resins including polyester (including PET, PBT, and PEN), acetate, polyolefins, styrenics (including PS, ASA, and ABS), polyamides (Nylon), polypropylene (PP), polyethylene (PE), polypeptides, acrylics, cellulose, viscose, polyurethane, "Rayon", polyvinyl alcohol (PVOH), polyvinyl chloride (PVC), polyvinylidene chloride, polysaccharides, and blends and copolymers thereof.

Applications: Do not use for any applications involving food contact, food packaging, or storage of human drinking water. Applications include fabrics for household applications such as drapes, carpets, tablecloths, and towels; home furnishings such as chairs and bedding; automotive fabrics such as upholstery and carpeting; and apparel such as socks, shirts, outerwear, gloves, and hats.

5) Adhesives and Sealants.

Specific materials: Resins including alkyds, amino resins (including melamine formaldehyde and urea formaldehyde), polyester (including PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polyols (including ether, ester, caprolactone, and butadiene), polyurea, polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinyl acetate (PVA), ethylene vinyl acetate (EVA), glycols (including DEG, EG, PG, DPG, and BDO), betaines, polyethylene copolymer, polyvinyl chloride (PVC), polyaspartics, epoxies, phenolics, styrenics (including PS, ASA, and ABS), polycarbonate, polypeptides, cellulose acetate, polyurethane, acrylic, acrylates (including polymethyl methacrylate, acetals, polyketones, polyphenylene, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymer, fluoropolymers, amino resins, thermoplastic elastomer, rubber (including styrene, butadiene, common acrylonitrile rubber, CR), polyacetal (polyoxymethylene), and blends and copolymers thereof.

Applications: Do not use for any applications involving food contact, food packaging, or storage of human drinking water. Applications include adhesives used in the manufacture of toilet seats, toilets, sinks, urinals, bidets, lavatories, bathtubs, spas, tile, flooring, shower doors, shower walls, shower trays, bath and kitchen accessories, plumbing supplies and fixtures, countertops, handles, knobs, automobile parts, shower curtains, mats, protective covers, waste containers, general purpose containers, shower heads, mops, brooms, tapes, packaging, gaskets, pipes, tubing, tube fittings, whirlpool tub and spa components, structural reinforcement composites (e.g., fiber reinforced resin backings), furniture, HVAC parts and equipment, window blinds, keyboards, personal grooming equipment, footwear including boots, sports equipment, telephones, and computer equipment.

(B) TREATED INTERMEDIATES/CONCENTRATES

This product is a pesticidal additive that protects treated intermediate manufacturing/industrial products and treated manufacturing/industrial products from the growth of mold and mildew.

MAXIMUM CONCENTRATION: For use in manufacturing/industrial intermediates at active ingredient levels up to 60% on a weight basis. This dosage applies only to intermediate manufacturing/industrial uses. It does not apply to active ingredient concentrations in consumer finished products.

The intermediate treated concentrate must be used in proportion to other inputs in the manufacture of treated articles entering commerce so that the final concentration of Additive SSB does not exceed the application rate of 1% on a weight basis in the consumer finished product articles to be preserved.

Specific materials: Resins including alkyds, amino resins (including melamine formaldehyde and urea formaldehyde), polyester (including PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polyols (including ether, ester, caprolactone, and butadiene), polyurea, polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinyl acetate (PVA), ethylene vinyl acetate (EVA), polyethylene copolymer, polyvinyl chloride (PVC), epoxies, phenolics, styrenics (including PS, ASA, ABS), polycarbonate, cellulose acetate, polyurethane, acrylic, acrylates (including polymethyl methacrylate), acetals, polyketones, polyphenylene, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymer, fluoropolymers, thermoplastic elastomer rubber (including styrene, butadiene, common acrylonitrile rubber, CR), polyacetal (polyoxymethylene), glycols (including DEG, EG, PG, DPG, and BDO), betaines, thiols, polypeptides, polyurethane, acetate, polyolefins, polysaccharides, polyethylene copolymer, and blends (including blending with water for production of water-borne coatings, adhesives and sealants listed in Finished Products) and copolymers thereof.

Finished products containing Additive SSB may not make claims of antimicrobial activity other than protection of the article itself against growth of bacteria and mold in the treated article. If growth of bacteria and mold in the treated article would lead to unpleasant odors and discoloration of the treated article, then such a claim may be made.

STORAGE AND DISPOSAL

STORAGE: Keep tightly closed in dry, cool and well-ventilated place. Avoid dust formation - Dust may form explosive mixture in air. Keep container closed to prevent contact with moist air. Do not store in area where food or feed may come in contact with the product. Keep away from direct sunlight.

DISPOSAL: Unused material should be disposed of in accordance with federal, state, and local environmental control regulations. Where possible recycling is preferred to disposal or incineration.

CONTAINER DISPOSAL: Emptied container retains products residue. Observe all labeled safeguards until container is destroyed. Completely empty contents into equipment. Then dispose of empty container in a sanitary landfill or by other approved method.

"SN 040116105680120 EBN"

NanoHorizons

Visible results through invisible science

Product Data Sheet

No.: PROD.PDS.NP10-10-WC.1.0

Rev.: 1.0

Date: 09/14/2015

NanoHorizons Inc
270 Rolling Ridge Drive, Suite 100
Bellefonte, PA 16823 USA
info@nanohorizons.com
814-355-4700 • 866-584-6235 • Fax 814-355-4722

Product Description

SmartSilver® WC-10 is an aqueous solution containing polymer stabilized pure metallic silver nanoparticles intended for use as an antimicrobial agent for preservation of materials from odor and stain-causing bacteria, mold and mildew.

Features and Benefits

- Liquid for easy integration
- Worker Friendly
- Patent Pending

Applications

- Surface coatings
- Adhesives
- Elastomers
- Emulsions

Packaging and Availability

SmartSilver® WC-10 is packaged in DOT-approved HDPE containers. Sample quantities of SmartSilver® WC-10 are available for purchase in 50g increments.

Storage and Handling

Store in unopened containers at ambient conditions. Under these conditions, storage life is >1 year. Consult MSDS for handling procedures

SmartSilver® WC-10 Product # NP10-10-WC

Typical Properties

Property	Value
Appearance	Brown liquid
Odor	Mild
Silver Content, w/w	10%
Viscosity @ 25°C	7cps
Viscosity @ 60°C	5cps
Weight Solids	30%
Density	10.6 lb/gal
pH (0.1% soln.)	8
Usage limit for U. S. Manufacturers	1% w/w Silver Loading Limit for the Final Treated article Product
Recommended Loading, w/w	0.2-2% (0.02-0.2% Ag)

Regulatory Status

FIFRA*	✓
TSCA (USA)**	✓
NDSL (Canada)**	✓
AICS (Australia)**	✓
EINECS (EU)**	✓
ECL (Korea)**	✓
IECSC (China)**	✓
Direct Food Contact	No

* SmartSilver Treated Intermediates incorporate the EPA registered pesticide Additive SSB, EPA Reg. No. 83587-3, and are subject to the conditions of the Additive SSB label. All claims for products made from SmartSilver must be in accordance with the Additive SSB label and EPA's March 6, 2000 PRN 2000-1 in order to be eligible for the treated article exemption provided under 40 C.F.R. § 152.25(a). To obtain a copy of the Additive SSB label, contact NanoHorizons, Inc.

** Components

www.SmartSilver.com

The information presented here is based on our own testing and/or contract testing services and is believed to be correct. However, no warranty is expressed or implied. Nothing stated herein is to be considered a recommendation or inducement of any use, manufacture or sale that may infringe any patents or any other proprietary rights. Information provided is intended to act as a guide for use at your discretion and risk. We assume no liability in connection with the use, or the utilization of the materials or the methods or products described therein. This product is a manufacturing intermediate which incorporates EPA-registered Additive SSB product to preserve articles from odor and stain-causing bacteria, mold and mildew. This product is only intended for business-to-business use as specified on the Additive SSB FIFRA label. All final treated articles must be limited to a maximum of 1% silver and no intermediate or final treated article can be accompanied by any public health claims without proper regulatory approval.

[Signature] 4/1/2016

US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT

EPA

INVESTIGATION SUMMARY

9. Facility Name (Producer/Dealer/User)

Zum Industries, LLC

1. INVESTIGATION INFORMATION

Date 040118	Inspection Number 10568	Daily Sequence 01	2. Region/State 04/NC
3. Inspecting Org. E <input type="checkbox"/> S <input checked="" type="checkbox"/>	4. Facility Function MK	5. Investigation Type MKP	
6. Reason for Investigation FC		7. Referral Agency E04	8. Warrant Required YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

10. Street

5900 Elwin Buchanan Drive

11. City

Sanford

SAMPLE INFORMATION

17. Sequence Number 21	18. State Sample No. ...	12. State NC	13. Zip Code 27330-9541	14. Establishment Number ...
19. Product Code 4	20. EPA Registration Number ...	15. DUNS Number ...		16. SIC Codes ...
21. Project Code D-14	22. Sample Medium LBL	23. Date Collected 040118	24. Sample Type DOC	25. Date Shipped PEI

26. Lot or Other Code Numbers

...

27. Sample Identification Copy of labeling for "Zum EcoVantage Commercial Fixtures with SilverShield Antimicrobial Glaze xxx SilverShield Antimicrobial Technology provides a permanent antimicrobial glazed ceramic surface that inhibits the growth of stain and odor causing bacteria, mold, and mildew xxx SilverShield antimicrobial glaze uses silver particles to inhibit the growth, reproduction, and respiration of stain and odor-causing bacteria, mold, and mildew in commercial fixtures xxx Silver particles are incorporated into the glaze and permanently fired onto the fixture to create an ultra-smooth surface and invisible shield of added protection against bacterial growth xxx Ideal for healthcare, schools and commercial buildings to help create a more sanitary environment xxx Zum EcoVantage commercial fixtures with SilverShield use silver particles to impart antimicrobial activity on the mirror smooth surface of our toilets. The permanent coating works naturally through the controlled generation and release of silver ions xxx The SilverShield surface attacks bacteria and protects the bowl. Multiple methods of antimicrobial action prohibit common bacteria from developing a resistance to silver. These include: Disruption of essential nutrient intake from bacteria so they can't grow xxx Prevention of cell reproduction so they can't multiply xxx Damage to bacterial cell surfaces so they can't survive xxx 1-855-ONE-ZURN xxx www.zumt.com xxx Zum Industries, LLC Commercial Brass Operation 5900 Elwin Buchanan Drive, Sanford, NC 27330-9541 Ph. 855-863-9878, Fax 919-775-3541".

28. Amount Before Sampling

...

29. Description of Sample

Sample consists of copy of labeling for "Zum EcoVantage Commercial Fixtures with SilverShield Antimicrobial Glaze" only.

30. Sample Preparation

Labeling identified "SN 040118105680121 EBN"

31. Related Samples

SN 040118105680101 EBN - SN 040118105680120 EBN

32. Reason for Collection

Alleged Unregistered Pesticide Device

OTHER FACILITIES

33. Producer (Dist.) Zum Industries, LLC	34. Establishment Number	35. DUNS Number	
36. Street 2117 US Hwy 20 East	37. City Ablene	38. State TX	39. Zip Code 79601
40. Shipper Zum Industries, LLC	41. City Ablene	42. State TX	43. Zip Code 79601
44. Dealer Zum Industries, LLC	45. City Ablene	46. State TX	47. Zip Code 79601

RECORDS

48. Original Records NCDA&CS	49. Region Copy 04	50. Sample Copy NCDA&CS
51. Sample Delivered To Karen Hunt via USPS	52. Date 041216	53. Bill of Lading Number ...
54. Credentials Presented <input checked="" type="checkbox"/>	55. Notice of Inspection <input checked="" type="checkbox"/>	56. Receipt for Samples <input checked="" type="checkbox"/>
57. Sample Cost \$0.00 C <input type="checkbox"/> V <input type="checkbox"/> B <input type="checkbox"/>		58. Collection Station Raleigh, NC

59. Remarks

Attachments: Notice of Inspection, Receipt for Samples, Narrative, Product Labels & Labeling, Statement, Shipping Invoices & Product Data Sheet

60. Inspector's Name
Edward B. Nunn

61. Inspector's Signature

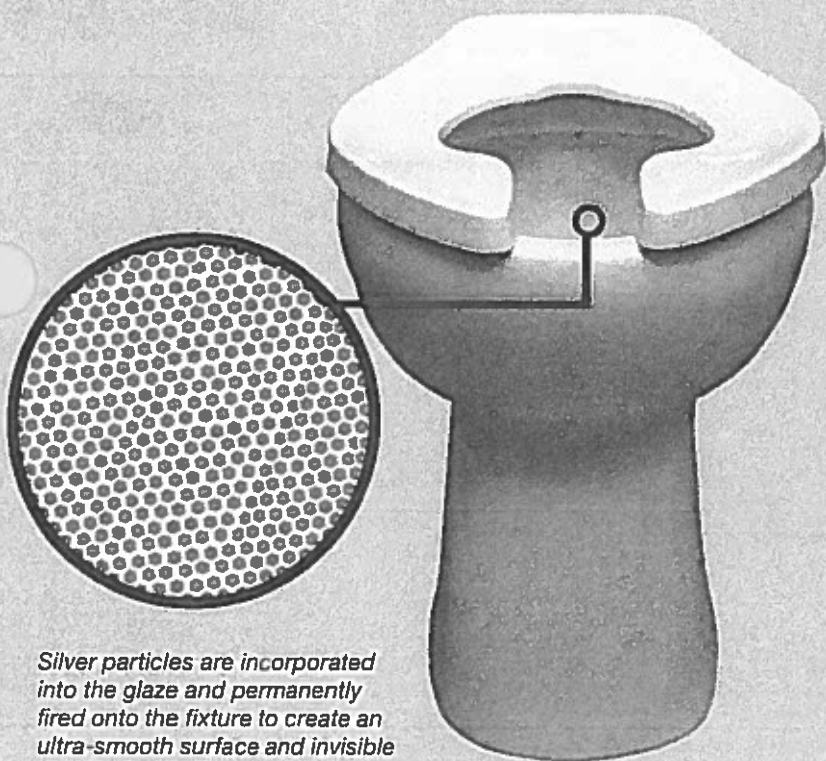
Edward B. Nunn



"SN 040116105680121 EBN"

EcoVantage® Commercial Fixtures with SilverShield™ Antimicrobial Glaze

SilverShield Antimicrobial Technology provides a permanent antimicrobial glazed ceramic surface that inhibits the growth of stain and odor causing bacteria, mold, and mildew.



Silver particles are incorporated into the glaze and permanently fired onto the fixture to create an ultra-smooth surface and invisible shield of added protection against bacterial growth.

Proven Technology

SilverShield antimicrobial glaze uses silver particles to inhibit the growth, reproduction, and respiration of stain and odor-causing bacteria, mold, and mildew in commercial fixtures.

Time and Water Saving

SilverShield technology produces an ultra smooth surface that requires less water and harsh chemicals to keep the bowl looking like new.

Continuous Performance

Silver particles added to the ceramic glaze during the manufacturing process become an integral part of the fixture. The antimicrobial properties of SilverShield are guaranteed to last the lifetime of the product.

Engineered Plumbing Solution

Ideal for healthcare, schools and commercial buildings to help create a more sanitary environment.

1-855-ONE-ZURN
www.zurn.com


4/1/2016

How SilverShield™ Works

Zurn EcoVantage commercial fixtures with SilverShield use silver particles to impart antimicrobial activity on the mirror smooth surface of our toilets. The permanent coating works naturally through the controlled generation and release of silver ions.

The SilverShield surface attacks bacteria and protects the bowl. Multiple methods of antimicrobial action prohibit common bacteria from developing a resistance to silver. These include:

- Disruption of essential nutrient intake from bacteria **so they can't grow.**
- Prevention of cell reproduction **so they can't multiply.**
- Damage to bacterial cell surfaces **so they can't survive.**


Zurn EcoVantage fixtures with SilverShield antimicrobial glaze will be available on the following models:

Model Number	Description
Z5615-BWL-AM ✓	Wall-Mounted Flush Valve Bowl with Top Spud
Z5616-BWL ✓	Wall-Mounted Flush Valve Bowl with Top Spud and Bedpan Lugs
Z5617-BWL ✓	Wall-Mounted Flush Valve Bowl with Back Spud
Z5655-BWL-BA-AM ✓	Floor-Mounted Flush Valve Bowl with Top Spud
Z5656-BWL-AM ✓	Floor-Mounted Flush Valve Bowl with Top Spud and Bedpan Lugs
Z5657-BWL-AM ✓	Floor-Mounted Flush Valve Bowl with Back Spud
Z5654-BWL-AM ✓	Floor-Mounted, Youth Height Flush Valve Bowl with Top Spud
Z5665-BWL-BA-AM ✓	Floor-Mounted, ADA Flush Valve Bowl with Top Spud
Z5666-BWL-AM ✓	Floor-Mounted, ADA Flush Valve Bowl with Top Spud and Bedpan Lugs
Z5635-BWL ✓	Floor-Mounted, Back Outlet Flush Valve Bowl with Top Spud
Z5636-BWL ✓	Floor-Mounted, Back Outlet, Flush Valve Bowl with Top Spud and Bedpan Lugs
Z5637-BWL ✓	Floor-Mounted, Back Outlet Flush Valve Bowl with Back Spud
Z5645-BWL ✓	Floor-Mounted, Back Outlet, ADA Flush Valve Bowl with Top Spud
Z5646-BWL ✓	Floor-Mounted, Back Outlet, ADA Flush Valve Bowl with Top Spud and Bedpan Lugs
Z5647-BWL ✓	Floor-Mounted, Back Outlet, ADA Flush Valve Bowl with Back Spud
Z5410 ✓	Wall-Mounted Blow Out Service Sink
Z5420 ✓	Floor-Mounted Blow Out Service Sink
Z5461-AM ✓	Wall-Mounted 28" x 22" Surgeon Sink, Single Hole
Z5468-AM ✓	Wall-Mounted 28" x 22" Surgeon Sink, 8" Center Faucet Holes

1-855-ONE-ZURN
www.zurn.com

Zurn Industries, LLC Commercial Brass Operation
5900 Elwin Buchanan Drive, Sanford, NC 27330-9541
Ph. 855-663-9876, Fax 919-775-3541

Zurn Industries Limited Canada
3544 Nashau Drive, Mississauga, Ontario L4V1L2
Ph. 905-405-8272, Fax 905-405-1292

 4/11/2016

